

Conference Agenda

Sept 05, 2023 (Tuesday)

10:30 - 15:00 PPRN Workshop
15:30 - 17:30 **IAME Council Meeting**
12:00 - 19:00 Registration
18:00 - 20:00 **Opening Reception**
(Beacon Rotunda)

Sept 06, 2023 (Wednesday)

07:30 - 18:00 **Registration**
07:30 - 08:30 Breakfast
08:30 - 10:00 **Opening Ceremony**
10:00 - 10:30 Morning Break
10:30 - 12:00 **Panel Session 1**
12:00 - 13:30 Lunch
13:30 - 15:00 **Panel Session 2**
15:00 - 15:30 Afternoon Break
15:30 - 17:00 **Panel Session 3**

Sept 07, 2023 (Thursday)

07:30 - 18:00 **Registration**
07:30 - 08:30 Breakfast
08:30 - 10:00 **Special Interest Plenary**
10:00 - 10:30 Morning Break
10:30 - 12:00 **Panel Session 4**
12:00 - 13:30 Lunch & World Bank Panel
13:30 - 15:00 **Panel Session 5**
15:00 - 15:30 Mid-afternoon Break
15:30 - 17:00 **Panel Session 6**
17:00 - 18:00 Young Scholars Social Event
18:00 - 20:30 **Awards Banquet**

Sept 08, 2023 (Friday)

07:30 - 15:00 **Registration**
07:30 - 08:30 Breakfast
08:30 - 10:00 **Panel Session 7**
10:00 - 10:30 Morning Break
10:30 - 12:00 **IAME General Meeting**
12:00 - 12:30 Closing Ceremony
12:30 - 13:00 **Lunch Pickup**
13:00 - 13:30 Boat Tour Check-in
13:30 - 15:00 **Harbor Boat Tour**

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Silver Sponsor



Bronze Sponsor



Sept 06, 2023 (Wednesday)

Breakfast (07:30 - 08:30)

Opening Ceremony (08:30 - 10:00)

Call to Order:

Genevieve Giuliano

Conference Chair, IAME 2023

& Professor, University of Southern California

Welcome from the City:

Lucius Martin

Deputy Mayor for Economic Development,

City of Long Beach

Keynote Speech:

Mario Cordero

Executive Director,

Port of Long Beach

Welcome:

Rep. Nanette Diaz Barragan

CA44 Congressional District,

US House of Representatives

IAME President's Address:

Elvira Haezendonck

Professor,

Vrije Universiteit Brussel

Morning Break (10:00 - 10:30)

Regency B (10:30 - 12:00)

T1P1 - Back from the Abyss: Cruise Industry Recovery and Destination Stewardship

Moderator: Thanos Pallis (Professor, University of Piraeus, Greece)

1. The impacts of COVID-19 on the cruise industry based on an empirical study in China. **Author(s):** Zhou, Jingen; Chen, Shu-Ling (Peggy); Shi, Wenming (Wendy); Kanrak, Maneerat; Ge, Jaiwei.
2. Decision making process in port electrification in medium sized ports: The Case of the Port of Heraklion. **Author(s):** Maniati, Marina; Nikoladis, Emmanouil; Sambracos, Evangelos.
3. Dynamic Pricing in Dual-channel Distribution for Cruise Line Revenue Management Based on A Reinforcement Learning Framework. **Author(s):** Wang, Jing; Chen, Kaimin; Jia, Shuai
4. Measuring Innovation Impact in Inland Waterway Logistics System with Discrete Event Simulation Model. **Author(s):** Shobayo, Peter
5. Estimating the economic impact of cruises at ports and destinations: Evidence from Greece. **Author(s):** Vaggelas, George; Pallis, Thanos.
6. Identifying the essential attribute contributing to the resilience and sustainability of the cruise industry with quantitative and qualitative approach. **Author(s):** Tsai, Feng-Ming “Chuck”; Kurrahman, Taufik.

Regency C (10:30 - 12:00)

T2P1 - Market, Finance & Derivatives

Moderator: George Vaggelas (Associate Professor, National and Kapodistrian University of Athens)

1. Ups and downs: modeling spot freight rates with regime switching. **Author(s):** Enerstvedt, Vegard; Jia, Haiying.
2. Climate risk assessment for tramp shipping pre-fixture calculations. **Author(s):** Fuentes, Gabriel; Staveland, Marie Log; Strømsnes, Sia Benedikte.
3. Information Spillovers Across Vessel Earnings: A route-level analysis. **Author(s):** Nomikos, Nikos; Tsouknidis, Dimitris.
4. Price Discovery in the Market for Freight Derivatives. **Author(s):** Nomikos, Nikos.
5. A stochastic analysis of freight market peaks for the dry bulk sector. **Author(s):** Tsioumas, Vangelis; Smirlis, Yannis; Tzannatos, Ernestos; Papadimitriou, Stratos.

Regency D (10:30 - 12:00)

T4P1 - Container Terminal Optimization

Moderator: Geraldine Knatz (Professor, University of Southern California)

1. An Institutional Perspective on Container Terminal Automation: The Role of Stakeholders' Attitudes. **Author(s):** Knatz, Geraldine; Notteboom, Theo; Pallis, Athanasios
2. Optimizing container terminal operations: A methodology for improving storage space allocation policies. **Author(s):** Suchan, Karol; Condore, Felipe; Gonzalez-Ramirez, Rosa G.
3. The Freight Landscape of Container Terminals: A Look at Terminal Layouts. **Author(s):** Rodrigue, Jean-Paul.
4. Smart Technologies and Port Operations: Optimal Adoption Strategy with Network Externality Consideration. **Author(s):** Li, Kunpeng; Gharehgozli, Amir; Lee, Jun-Yeon.
5. A review of digital twins for shipping operations. **Author(s):** Munim, Ziaul Haque; Schøyen, Halvor.
6. Does external drivers impacts the digitalization in shipping industry? Empirical analysis based on external drivers. **Author(s):** Ghoul, Dhaou; Verny, Jerome; Oulmakki, Ouail.

Regency E (10:30 - 12:00)

T5P1 - Stakeholders & Workers

Moderator: Michael Dooms (Associate Professor, Vrije Universiteit Brussel)

1. Gender equity analysis in the maritime and port industry in Chile. **Author(s):** García-Echalar, Andres; Gonzalez Ramirez, Rosa G; de Luca, Daniella.
2. Assessing Safety Behaviors of Container Terminal Workers at Ports: A Holistic Nomological Network. **Author(s):** Lu, Chin-Shan; Weng, Hsiang-Kai.
3. The Impacts of Changing Trade Policies on Trade Volumes, Jobs, and Economic Growth in Louisiana Port City Regions and the state of Louisiana. **Author(s):** Mallum, Faisal; Stich, Bethany.
4. Social license to operate for ports: Factors determining social acceptance among community stakeholders. **Author(s):** Moeremans, Bruno; Dooms, Michael.
5. The circular economy transition in ports: stakeholders, their roles and their impact. **Author(s):** Faut, Lynn; Haezendonck, Elvira; Dooms, Michael.

Regency F (10:30 - 12:00)

T8P1 - Alliances & Risk in Shipping

Moderator: Haiying Jia (Professor, NHH Norway School of Economics)

- 1.Strategic alliance reshuffling and mergers & acquisitions? New realities for the Asia to Europe and Asia to South America trades. **Author(s):** Borggreve, Richard; Wilmsmeier, Gordon; Gil, Christiam; Sanchez, Ricardo.
- 2.Sustainable Investing and Ownership Structure in International Shipping Companies. **Author(s):** Jia, Haiying; de Azevedo Junior, Paulo Cezar.
- 3.Charter party risk documentation, mapping and analysis: A conceptual framework. **Author(s):** Polemis, Dionysios.
- 4.Idiosyncratic factors that shape shareholders' reward policy in maritime shipping companies. **Author(s):** Sigalas, Christos; Gerakoudi-Ventouri, Kelly.
- 5.The re-establishment of industrial fleets as a viable strategic option under the present legislative framework. **Author(s):** Boviatsis, Michael; Polemis, Dionysios; Lagoudis, Ioannis.

Lunch Plenary Presentation (12:00 - 13:30)

Marine Casualties in the 21st Century: Modern Challenges to Ancient Risks

Sean T. Pribyl

Partner, Holland & Knight LLP

Regency B (13:30 - 15:00)

T6P1 - Consumers Driving Choice

Moderator: Mary Brooks (Professor Emerita, Dalhousie University)

- 1.The changing landscape in competition policy for liner shipping companies. **Author(s):** Brooks, Mary.
- 2.Developing a monitoring tool for the assessment of maritime transport competition in passenger ferries' market using citizens' science. **Author(s):** Gota, Markella; Lekakou, Maria; Remoundos, George; Kollia, Stefania.
- 3.One-Way Container Shipping: Exceptional Response to Exceptional Conditions. **Author(s):** Smith, Daniel; Hackett, Daniel; Smith, Jeffrey.
- 4.Social media and customer engagement in the ferry industry: insights from Facebook corporate pages of leading ferry companies in the Italian market. **Author(s):** Viviani, Roberto; Satta, Giovanni; Persico, Luca; Vottero, Bianca.
- 5.Designing a quantitative assessment model for container shipping sustainability-related risks. **Author(s):** Zhou, Yusheng; Yuen, Kum Fai.
- 6.Tramp Shipping Revenue Management Under Ambiguous Transit-time Elasticity. **Author(s):** Sun, Ivy.

Regency C (13:30 - 15:00)

T2P2 - Digitization & Resilience

Moderator: Albert Veenstra (Professor, Erasmus University)

1. Using Artificial intelligence and Machine Learning techniques to predict a ship's optimal recycling time. **Author(s):** Merika, Anna; Merika, Rafaela-Theodora.
2. Australia-Indo-Pacific Energy Maritime Supply Chain: Mapping, Analysis and Resilience Strategies. **Author(s):** Nguyen, Hong-Oanh; Thai, Vinh; Chhetri, Prem; Oloruntoba, Richard; Kanrak, Maneerat.
3. Developing Maritime Shipping Resilience: Supply Chain Flow Perspective. **Author(s):** Ashraf, Muhammad Hasan; Hales, Douglas N; Yalcin, Mehmet Gokhan.
4. A critical assets approach to port resilience. **Author(s):** Jović, Marija; Maatsch, Sönke.

Regency D (13:30 - 15:00)

T3P1 - Ports and Terminals I

Moderator: Fabio Ballini (Assistant Professor, World Maritime University)

1. On Shore Power Supply in the Nordic Region: A situation analysis of the existing cold ironing infrastructure in the Nordic region. **Author(s):** Ballini, Fabio.
2. Decarbonizing strategies and fuel availability for port services – A case study in Cartagena, Colombia. **Author(s):** Mazo Cardona, Marisol; Andres Bernal, Jairo.
3. A sustainable port-hinterland container transport system: the simulation-based scenarios for CO2 emission reduction. **Author(s):** Zhang, Wei “Vera”; Hasan, Khandaker Rasel; Shi, Wenming.
4. The role of medium and small size ports in sustainable development: Evidence from the port of Plymouth, UK. **Author(s):** Karamperidis, Stavros; Lafir, Mohammed Shaihan.
5. Towards Decarbonization: Examining the Role of Onshore Power Systems (OPS) in Nordic Ports and Recommendations for Successful Integration. **Author(s):** Vakili, Capt. Dr Seyedvahid.
6. Role of Ports in Maritime Energy Transition: A Review on Barriers and Solutions. **Author(s):** Ballini, Fabio.

Regency E (13:30 - 15:00)

T5P2 - Port Governance Models

Moderator: Thanos Pallis (Professor, University of Piraeus)

1. The Sticky Cost Behavior of Corporatised Port Authorities: Empirical evidence from Greece. **Author(s):** Naoum, Vasilios Christos; Pallis, Athanasios.
2. An analysis of the policy environment surrounding public-private partnerships in South African ports. **Author(s):** Meyiwa, Ayanda.
3. Advancing public interests in a setting with a private port development company: the case of Vitoria and Barra do Riacho in Brazil Mendes. **Author(s):** Constante, Jonas; de Langen, Peter; Diez Orejas, Juan Manuel; Torregosa Maicas, Anotonio.
4. Port Authority Mergers as Instruments of Port Governance Regionalization. **Author(s):** Pallis, Athanasios; Notteboom, Theo; Rodrigue, Jean-Paul.
5. Trends in port governance: The changing role of port authorities. **Author(s):** Zhang, Yueyue.

Regency F (13:30 - 15:00)

T8P2 - Infrastructure Investments and Cost Structure

Moderator: Pierre Cariou (Professor, KEDGE Business School)

1. Can Maritime ESG investing produce tangible results? **Author(s):** Clott, Christopher; Hartman, Bruce.
2. The antecedents of carriers' investments in container port terminals: a Transaction Cost Economics Theory approach. **Author(s):** Gianoni, Nicola; Satta, Giovanni; Parola, Francesco; Viviani, Roberto; Pera, Alberto.
3. Are anti-corruption collective actions effective in shipping? Evidence from the Suez Canal. **Author(s):** Cariou, Pierre.
4. Exploring sectoral and partner heterogeneity in the bilateral relationship between container shipping connectivity and trade. **Author(s):** Martínez-Moya, Julián; Requena Silvente, Francisco; Díez, Juan Manuel.
5. Social Economic Monitoring Instrument (SEMI): Making the right project investment decisions at the right moment. **Author(s):** Molinari, Laura; Haezendonck, Elvira; Dooms, Michael; Merckx, Jean-Pierre; Verbeke, Alain; Mabillard, Vincent.

Afternoon Break (15:00 - 15:30)

Regency B (15:30 - 17:00)

T7P1 - Hinterland Connectivity

Moderator: Dong-Wook Song (Professor, World Maritime University)

1. Analyzing the Environmental Benefits of Dry Ports as Dominant Regional Players: A Spatial Analysis Approach. **Author(s):** Li, Jiahui; Lee, Sangyoon; Jung, Paul H.
2. Analysis on the Average Travel Distance of Container Sharing with Continuous Approximation Models. **Author(s):** Watanabe, Daisuke; Kondo, Tomonori.
3. Distributed Co-Simulation Optimization Approach for Freight Routing. **Author(s):** Chen, Pengfei; Ioannou, Petros; Dessoky, Maged.
4. Intermodal Rail Facility for Sustainable Long Term Growth. **Author(s):** Guan, Chang-Qian; Yahalom, Shmuel.
5. The Nexus of Port-Hinterland Connectivity and Port Market Share: A Case from Indian Container Ports. **Author(s):** Song, Dong-Wook; Deshmukh, Ajay.

Regency C (15:30 - 17:00)

T2P3 - Digitization & Maritime Business

Moderator: Ioannis Lagoudis (Associate Professor, University of Piraeus)

1. Measuring uncertainty in shipping. **Author(s):** Syriopoulos, Theodoros; Roumpis, Efthymios; Tsatsaronis, Michael; Giannopoulou-Merika, Anna.
2. Digital Culture Oriented HRM Systems And HRM Performance In Shipping Companies. **Author(s):** Theotokas, Ioannis; Syntychaki, Athina; Lagoudis, Ioannis; Prosilias, Ioannis; Tsikourakis, Georgios Orfeas; Raftapoulou, Konstantina.
3. The smart port maturity of port logistics stakeholders: insights from the perspective of the Port of Antwerp-Brugge. **Author(s):** Boullauazan, Yassin.
4. Do Shipping Alliances Increase Freight Rates? Evidence from Global Satellite Ship Data. **Author(s):** Li, Lu; Wan, Yulai; Yang, Dong.
5. Factors for Innovation Adoption in The Maritime Sector: A Systematic Literature Review. **Author(s):** Sooprayen, Krishna; Van de Kaa, Geerten; F.J. Pruyn, Jeroen.
6. Strategies of the Liner Shipping Industry -Vertical Integration and Horizontal Integration. **Author(s):** Yamamoto, Yutaka.

Regency D (15:30 - 17:00)

T4P2 - Digitization

Moderator: Jean-Paul Rodrigue (Professor, Hofstra University)

1. Game relations between the platform enterprise and participants of digital interaction-sharing platforms in the maritime logistics industry. **Author(s):** Xiao, Yi.
2. 'Blue' transformations - towards an analytical model of maritime digitalization. **Author(s):** Christodoulou, Anastasia; Jes Iverson, Martin.
3. Container Shortages under the COVID-19 Pandemic: The Role of Digital Technologies. **Author(s):** Oulmakki, Ouail; Rodrigue, Jean-Paul; Verny, Jerome.
4. Digitalization scenarios and challenges of adoption in small Finnish ports. **Author(s):** Inkinen, Tommi.

Regency E (15:30 - 17:00)

T2P4 - Maritime Trade

Moderator: Antonio Torregrosa Maicas (Fundacion Valenciaport)

1. Non-tariff protectionism and its impact on port trade flows; the case of Spain. **Author(s):** Soler de Dios, Maria; Torregrosa Maicas, Antonio; Díez Orejas, Juan Manuel; Pallardó López, Vicente Juan; Feo Valero, Maria Concepcion.
2. Fragmentation on the Seas: The de-coupling of the maritime trade: implications for food security and energy transition. **Author(s):** Ali, Salamat.
3. Determinants of Port Connectivity: A Spanish container ports application. **Author(s):** Myriouni, Christina; Martinez-Moya, Julian; Pallardo Lopez, Vicente.

Regency F (15:30 - 17:00)

T8P3 - Freight Rates

Moderator: Shmuel Yahalom (Professor, SUNY Maritime College)

1. Productivity Issues in Operating Breakbulk Vessels. **Author(s):** Yahalom, Shmuel; Guan, Changqian.
2. The Determinants of Freight Rate Changes. **Author(s):** Ishizaka, Motokazu; Tazuka, Koichiro; Ishii, Masahiro.
3. Investors' Behaviour and Tanker Ship Prices: A Heterogeneous Agent Model. **Author(s):** Alizadeh-Masoodian, Amir.
4. Can FFA market information predict ship values? **Author(s):** Alizadeh-Masoodian, Amir.
5. Modelling The Dimensions Of Container Vessel Deployment Strategies. **Author(s):** Gil, Cristian.

Sept 07, 2023 (Thursday)

Breakfast (07:30 - 08:30)

Regency A

Special Interest Panel (08:30 - 10:00)

Rules vs. Reality: California's Freight Regulations

Moderator:

Genevieve Giuliano

Conference Chair, IAME 2023

& Professor, University of Southern California

Panelists:

Wayne Natri

Executive Officer,

South Coast Air Quality Management District

Thomas Jelenic

Vice President,

Pacific Merchant Shipping Association

Matt Schrap

Chief Executive Office,

Harbor Trucking Association

Morning Break (10:00 - 10:30)

Regency B (10:30 - 12:00)

T2P5 - Maritime Services Scheduling

Moderator: Jean Claude Thill (Professor, University of North Carolina at Charlotte)

1. Government ship scheduling with the consideration of environmental effects. **Author(s):** Wu, Yiwei; Wang, Shuaian; Zhen, Lu.
2. Difference in seasonality of charter rate and supply-demand ratio in dry bulk shipping market. **Author(s):** Hayashi, Koichiro.
3. Analysis of blank sailings of container shipping lines and companies' strategies. **Author(s):** Gil, Cristiam; Oh, Joomeen; Wilmsmeier, Gordon.
4. Determinants of Chartering Decisions in the Dry-Bulk Sector of Shipping. **Author(s):** Kavussanos, Manolis; Moysiadou, Stergiani "Stella"; Tsouknidis, Dimitris.
5. Blank sailing and disruptions in maritime services in North America: spatio-temporal framework, measurement and factors. **Author(s):** Thill, Jean Claude; Pais-Montes, Carlos; Guerrero, David.

Regency C (10:30 - 12:00)

T3P2 - Institutions and Governance

Moderator: Leo Tadeu Robles (Associate Professor, Federal University of Maranhao)

1. Sustainability and corporate governance in the shipping industry: A literature review. **Author(s):** Andrikopoulos, Andreas.
2. Best Practices in ESG: a benchmarking for Brazilian seaports sustainability journey. **Author(s):** Galvao, Cassia; Robles, Leo Tadeu.
3. ESG Reporting Quality Assessment in Listed Shipping Companies. **Author(s):** Syriopoulos, Theodoros; Tsatsaronis, Michael; Karamperidis, Stavros; Boura, Georgia.
4. Carbon revenues from international shipping: Enabling an effective and equitable energy transition. **Author(s):** Salgmann, Rico; Dominioni, Goran; Rojon, Isabelle; Gleeson, Cait; Englert, Dominik; Lagouvardou, Sotiria.
5. Identification and analysis of stakeholders involved in port decarbonisation. **Author(s):** Alamoush, Anas.

Regency D (10:30 - 12:00)

T4P3 - Smart Ports

Moderator: Shiou-yu Chen (Professor, National Taiwan Ocean University)

1. Port competitiveness and performance: an empirical analysis of Latin American and Caribbean ports. **Author(s):** Ascencio, Luis; Gonzalez Ramirez, Rosa G; Arroyo, Pilar.
2. A Green And Smart Port Policy Framework For Nigeria Case Study Of Apapa Port. **Author(s):** Ogola, Daniel.
3. A Study of Critical Success Factors of Smart Port Digitalization Development for the International Commercial Ports Post COVID-19 Era. **Author(s):** Yang, Yi-Chih; Hsieh, Yun-Hsin.
4. Understanding and evaluating the smart ports: from the ecological perspective. **Author(s):** Liu, Mingzheng; Wong, Christina; Lai, Kee-Hung; Lun, Venus.
5. Re-constructing smart port evaluation framework with green port foundation. **Author(s):** Chen, Shiou-Yu; Liu, Ying-Ru.
6. A Study on the Properties of Smart Port through Text Mining. **Author(s):** Lim, TaeGeon; Lee, Sang-Yoon.

Regency E (10:30 - 12:00)

T5P3 - Regional Case Studies in Port Governance

Moderator: Jean-Paul Rodrigue (Professor, Hofstra University)

1. Lake Tanganyika: a maritime corridor development for sustainable opportunities. **Author(s):** Dooms, Michael; Jansen, Maurice; van Houwelingen, Rosanne; Vermeulen, Susan.
2. Towards a next phase of port reform in Africa: an analysis of context, drivers, performance and options. **Author(s):** Oyenuga, Adekola; Dooms, Michael; Sys, Christa; Verhoeven, Patrick.
3. Long-Term Value Creation Post-Merger: Case Study in Indonesian Ports (Pelindo). **Author(s):** Ashshiddiqi, Hasbi; Wiradanti, Bahana; Mahyudin, Rezza.
4. Management of Subsidiaries in Indonesian Ports: A Case Study in Pelabuhan Indonesia Post-Merger. **Author(s):** Hadrian, Obbie; Satria, Mega; Wiradanti, Bahana.
5. Port Company Performance Post-Merger with Organizational Ambidextrous Approach: Case of Indonesian Ports. **Author(s):** Usman, Ihsanuddin; Wiradanti, Bahana; Kasali, Rhenald; Piskorski, Misiek.

Regency F (10:30 - 12:00)

T2P6 - Security & Geopolitics

Moderator: Vangelis Tsioumas (Assistant Professor, University of Piraeus)

1. Impact of Maritime Security Threats on Nigeria Economic Growth. **Author(s):** Osadume, Richard; Ogwude, Innocent.
2. Shipping strategies on the edge. **Author(s):** Tsioumas, Vangelis; Voutsina, Katerina; Kokosalakis, George.
3. Risk-Aversion of market agents in the tanker sector of the Shipping Industry. **Author(s):** Moysiadou, Stergiani “Stella”; Kavussanos, Manolis; Tsouknidis, Dimitris.
4. Economic Models and Justification of Maritime Security Governance and Administration in Nigeria’s Gulf of Guinea Region. **Author(s):** Nwokedi, Theophilus; Ibe, Callistus.
5. Evaluating Risks in the Supply Chain of the Iraq-US oil export by Tanker. **Author(s):** Poulakidas, Angela.

Lunch & World Bank Panel (12:00 - 13:30)

Join the World Bank’s global transport group as they discuss their Container Port Performance Index (CPPI), regional connectivity and how the bank addresses the climate impact of global shipping. Conference attendees will have an opportunity to interact with the Bank’s officials through the Q&A section following the presentations.

Regency B (13:30 - 15:00)

T2P7 - Green Ports & Shipping

Moderator: Elvira Haezendonck (Professor, Vrije Universiteit Brussel)

1. Minimum port’s conditions for reception of offshore wind energy structures in Colombia. **Author(s):** Perez Alzate, Leydy Johana; Heredia Tamayo, Sandra Julieth.
2. Ports adaptation to climate change: A methodological framework. **Author(s):** Vaggelas, George; Karditsa, Katerina; Roumpis, Efthymios.
3. Prioritization of Green Port Investment: Comparison of Approaches in Different Regions and Stakeholders. **Author(s):** Fahmiasari, Hafida; Lam, Jasmine Siu Lee.
4. Strategic Adaptation to Regulatory Shocks: Learning from a disruptive environmental regulation. **Author(s):** Sigalas, Christos; Papadakis, Vassilis; Koronis, Epaminondas.
5. Green Liner Shipping Route Optimisation Considering Seasonal Container Demand and Sulphur Emission Regulations. **Author(s):** Gooi, Chi Chien; Zhang, Wei; Shi, Wenming; Wang, Lin.

Regency C (13:30 - 15:00)

T3P3 - Emissions Pricing & Trading

Moderator: Mary Brooks (Professor Emerita, Dalhousie University)

1. Quantitatively comparing market-based measures in decarbonizing the shipping industry. **Author(s):** Zhan, Yan; Kou, Ying.
2. Effect of Emission Trading System on Dry Bulk Vessel Diversions between NSR and SCR. **Author(s):** Kavirathna, Chathumi; Shibasaki, Ryuichi; Ding, Wenyi.
3. Environmental Pricing in Ports: The Need for Coordination. **Author(s):** Acciaro, Michele.
4. Impact of the EU Emission Trading System on the Container Shipping-Industry - A qualitative analysis. **Author(s):** Wilmsmeier, Gordon; Neumann, Christian; Pomaska, Lara.
5. Assessing the economic impacts of GHG levy in international shipping. **Author(s):** Tran, Trang; Morimoto, Sejiro; Shibasaki, Ryuichi.

Regency D (13:30 - 15:00)

T4P4 - Vessel Operations & Automation

Moderator: Albert Veenstra (Professor, Erasmus University)

1. An extended smart 'predict, and optimize' (SPO) framework based on similar sets for ship inspection planning. **Author(s):** Yan, Ran; Wang, Shuaian; Zhen, Lu.
2. A cost calculation model for vessel traffic planning in ports: integrating tugboat and dock pilots planning at the Port of Antwerp-Bruges. **Author(s):** Farzadmehr, Mehran.
3. Exploring the crucial factors influencing the implement of Maritime Autonomous Surface Ship. **Author(s):** Yang, Ching-Chiao; Hickethier, AF.
4. Driver and Barriers for integration of Maritime Autonomous Surface Ships (MASS). **Author(s):** Alamoush, Anas.

Regency E (13:30 - 15:00)

T5P4 - Port Operations & Governance

Moderator: Jean-Paul Rodrigue (Professor, Hofstra University)

1. Roro shipping connectivity offered from Spanish ports: an analysis for short-sea shipping traffic. **Author(s):** Feo Valero, Maria; Myriouni, Christina; Martínez-Moya, Julian.
2. Concession in Container Terminals: A Critical Review of the State of Knowledge. **Author(s):** Barleta, Eliana; Pallis, Athanasios.
3. The Regionalization of Port-City Relationships: An Assessment for Cruise Ports. **Author(s):** Galvao, Cassia; Rodrigue, Jean-Paul; Tei, Alessio.
4. Performance analysis of ship-berth link at the Seaport Automobile Terminal. **Author(s):** Dragovic, Branislav; Meštrović, Romeo; Zrnić, Nenad; Papadimitriou, Stratos; Dragović, Andro.

Regency F (13:30 - 15:00)

T2P8 - Congestion in Ports & Shipping

Moderator: Bruce Anderson (Starcrest Consulting Group):

1. Accuracy of Queuing Model in Predicting Ship Waiting Time Using Point-wise Stationary Approximation and Time-Dependent Queuing Models. **Author(s):** Jo, Ah-Hyun; Lee, Hwaseop; Cho, Seong-Hyun; Chang, Young-Tae.
2. A generational gap? Perceptions, Attitudes and Expectations of Cadets in Greek Marchant Marine Academies (MMA). **Author(s):** Bissias, Ilias; Theotokas, Ioannis; Pallis, Athanasios; Haritos, M.
3. Congestion Analysis and Queueing Modeling at the Port of Los Angles Using AIS Data. **Author(s):** Shibasaki, Ryuichi; Watanabe, Eisuke; Matsuda, Takuma.
4. How Effective Maritime Policy Mitigated the Unprecedented Container Ship Anchorage Congestion Due to COVID-19 Pandemic, from an Emissions Inventory Perspective. **Author(s):** Anderson, Bruce; Pisano, Teresa.
5. Analyzing the Performance of Shipping Company Personnel: A Quantitative and Qualitative Approach. **Author(s):** Chavatzopoulos, Paraskevas Marios; Karamitros, Pavlos; Theotokas, Ioannis.
6. The impact of ship balking on port waiting and service time: Empirical and theoretical insights from the Port of Savannah. **Author(s):** Cho, Seong-Hyun; Jo, Ah-Hyun; Lee, Hwaseop; Chang, Young-Tae.

Afternoon Break (15:00 - 15:30)

Regency B (15:30 - 17:00)

T7P2 - Global Port Solutions

Moderator: Gordon Wilmsmeier (Associate Professor, Kühne Logistics University)

1. Port Competitiveness in Africa: Towards a New Chapter in Industry Infrastructure Development. **Author(s):** Iddy, Judith.
2. Assessing the reliability of container ports on the China – Europe network. **Author(s):** Yue, Zhongyun.
3. Efficiency Analysis of the Spanish Port Industry (2016-2020): an Environmental Perspective. **Author(s):** Rodriguez Ramos, Andrea; Alvarez, Antonio; Trujillo, Lourdes.
4. Container port choice for the ports of Chile. **Author(s):** Veldman, Simme.
5. A New Perspective On The Value Of Ports. **Author(s):** van der Lugt, Larissa.

Regency C (15:30 - 17:00)

T3P4 - Technology in the Service of Decarbonization

Moderator: Tom O'Brien (Professor, California State University Long Beach)

1. Interactions between Allowance Allocation Methods and Selection of Emission Reduction Technologies. **Author(s):** Zhou, Ruqi.
2. AIS-Based Trajectory Restoration to Investigate Shipping Emissions. **Author(s):** Win, Thuta Kyaw; Watanabe, Diasuke.
3. Connecting agent behavior to system performance: using AIS data to find sources of inland shipping emissions. **Author(s):** van der Werff, Solange; Turpijn, Bas; van Koningsveld, Mark; Baart, Fedor.
4. Financial modeling for emission reduction technologies in shipping. **Author(s):** Pomaska, Lara; Gil, Cristiam; Wilmsmeier, Gordon.
5. Marginal abatement cost curves of alternative marine fuels. **Author(s):** Lagouvardou, Sotiria; Psaraftis, Harilaos N.

Regency D (15:30 - 17:00)

T4P5 - Logistics & Efficiency

Moderator: Young-Tae Chang (Inha University)

1. The Impact Of Logistics Performance On The Convergence Of Economic Growth In The Countries Of The World. **Author(s):** Pesquera, Miguel Angel; Coto-Millán, Pablo.
2. Evaluating Port Efficiencies from Ports' and Vessels' Perspectives. **Author(s):** Jing, Zhang; Luo, Meifeng.
3. Corridor connectivity index: a methodology to assess dynamics of trade routes and impact on existing TEN-T corridors. **Author(s):** Mosmans, Hannah; Jansen, Maurice.
4. Identifying the suitable Goodness of Fit Test for container terminal: A Case Study of Busan port. **Author(s):** Lee, Hwaseop; Jo, Ah-Hyun; Cho, Seong-Hyun; Chang, Young-Tae.
5. Predicting and managing disruption in global supply chains using Digital Twins: A literature review and business case analysis. **Author(s):** Ghoul, Dhaou; Verny, Jerome; Oulmakki, Ouail; O'Brien, Tom; Patric, Jeremy; Gonzalez, Flavie.
6. Digital twin technology: towards multi-objective optimization for autonomous shipping. **Author(s):** Lambrou, Maria; Chalmoukis, Athanasios; Mennis, Evangelos.

Regency E (15:30 - 17:00)

T5P5 - Technology & Systems

Moderator: Jasmine Siu Lee Lam (Associate Professor, Nanyang Technological University)

1. Feasibility of predatory pricing in port competition. **Author(s):** Chen, Fuying; Luo, Meifeng.
2. The quantitative identification of the port cluster: A two-layer DBSCAN approach. **Author(s):** Huang, Xiaoxin; Yang, Dong.
3. Port selection by container ships: A machine learning approach with AIS data. **Author(s):** Lam, Jasmine Siu Lee; Feng, Hongxiang; Lin, Qin; Zhang, Xinyu; Yap, Wei Yim.
4. Developing Maritime Shipping Resilience: Supply Chain Flow Perspective. **Author(s):** Ashraf, Muhammad Hasan; Hales, Douglas N; Yalcin, Mehmet Gokhan.

Regency F (15:30 - 17:00)

T2P9 - Networks & Modeling

Moderator: Emeric Lendjel (Associate Professor, Université Paris 1 Panthéon-Sorbonne)

1. Detention risk assessment of vessels in port state control: A k-dependence Bayesian network learning approach. **Author(s):** Meng, Qiang; Cai, Yutong.
2. Dhows' AIS Data: which reliability for a first evaluation of their shipping routes during covid-19 pandemic? **Author(s):** Lendjel, Emeric.
3. Cascading effect and its impact on vessel deployment in last 5 years in Buenaventura and Callao. **Author(s):** Bermudez, Ricardo.
4. The Maritime Transport Network (MTN): an analysis of co-occurrences applied to the movements of ships. **Author(s):** Santana, Aythami.
5. COLREG and Autonomous Collision Avoidance Development: An analytical review. **Author(s):** Chang, Chia-Hsun; Kontovas, Christos; Yang, Zaili; Bandara Wijeratne, Isuru; Lin, Chi-chang; Ung, Shuen-tai; Karamperidis, Stavros.
6. Short-Term Forecasting of the Suez Canal Traffic using AIS Based on Machine Learning. **Author(s):** Shibasaki, Ryuichi; Osumi, Yuki; Wada, Yujiro.

Awards Banquet Dinner (18:00 - 20:30)

Sept 08, 2023 (Friday)

Breakfast (07:30 - 08:30)

Regency B (08:30 - 10:00)

T3P5 - Regional Case Studies in Decarbonization

Moderator: Enna Hirata (Associate Professor, Kobe University)

1. Understanding Inland Waterway Transport Development: Spatial Assessment of the Rhine-Alpine Corridor. **Author(s)**: Bedoya, Felipe; Beckers, Joris; van Hessel, Edwin.
2. Review of environmental risks and impact due to shipping activities in the Arctic. **Author(s)**: Lin, Ning; Rivas Hermann, Roberto.
3. Research Topics and Methods in Maritime Decarbonization: A Natural Language Processing Approach. **Author(s)**: Hirata, Enna; Li, Kevin X; Watanabe, Daisuke.
4. Pathway to sustainable shipping: electric ships. **Author(s)**: Wang, Wei.
5. External cost of ship emissions: Methodological issues. **Author(s)**: Chang, Young-Tae; Jo, Ah-Hyun; Lee, Hwaseop; Cho, Seong-Hyun.

Regency C (08:30 - 10:00)

T3P6 - Cargo Types

Moderator: Pierre Cariou (Professor, KEDGE Business School)

1. Corn Through the Panama Canal: Estimating a Preliminary Demand Model for Corn from the US East Coast and Gulf to East Asia, the future corn traffic, and the decarbonization transition process. **Author(s)**: Ho, Javier; Bernal, Paul; Sanchez, Maria Eugenia.
2. Emissions allocation optimization for cargo and passengers in Ropax-vessels. **Author(s)**: Solakivi, Tomi; Saurama, Antti; Saarni, Jouni; Ojala, Lauri.
3. Cargo owner and maritime chain sustainability. **Author(s)**: Caldeirinha, Vitor; Felicio, Jose Augusto; Pinho, Tiago.
4. Maritime environmental policy and agricultural trade. **Author(s)**: Cariou, Pierre.
5. The reality and status of getting to zero-emissions for ships at berth. **Author(s)**: Zis, Thalís.
6. Ship fuel efficiency and carbon emission analysis using big data: A systematic review. **Author(s)**: Li, Zhijun; Fei, Jiangang; Du, Yuquan.

Regency D (08:30 - 10:00)

T4P6 - Digital Ports

Moderator: Lawrence Henesey (Assistant Professor, Blekinge Institute of Technology)

1. Computer Visualization-based Estimation on Unit Shelter Space for Recreational Vessels. **Author(s):** Li, Lu; Lu, Yuxu; Yang, Dong.
2. How can small and medium ports adopt Port Community Systems and the Implications of the Maritime Single Window for ship data exchange leading to improved port performance for stakeholders within a port community. **Author(s):** Henesey, Lawrence.
3. Improving Maritime Cybersecurity using Drones and Drone Management: Findings from the SECMAR Project in the South Baltic Region. **Author(s):** Henesey, Lawrence.
4. Port as renewable energy hubs: Insights from the Italian case. **Author(s):** Njikatoufon, Abdel Ganir; Satta, Giovanni; Vottero, Bianca.
5. The status of electronic Bills of Lading under the present legal and technological innovations. **Author(s):** Boviatsis, Michael; Lagoudis, Ioannis; Polemis, Dionysios; Gavalas, Panagiotis.

Regency E (08:30 - 10:00)

T5P6 - Sustainability

Moderator: Michele Acciaro (Associate Professor, Copenhagen Business School)

1. The Environmental Social and Governance Concept in Port Domain: An Initial Step Forward. **Author(s):** Pallis, Petros.
2. Lessons learnt from the adoption of a Mediterranean Emission Control Area – Successful agenda setting for environmental policy. **Author(s):** Thebault, Alice.
3. Concession Agreements for Sustainable Ports. **Author(s):** Platias, Charalampos; Chlomoudis, Constantinos; Kostagiolas, Petros; Pallis, Petros.
4. Managing Biodiversity in the Port Sector: Experiences from Three World Ports. **Author(s):** Acciaro, Michele.
5. The Impact of Environmental Regulations on the Maritime Industry A Comparative Analysis of Levy and Emission Trading Scheme. **Author(s):** Jo, Ah-Hyun; Lee, Hyeryeong; Park, Kevin H; Chang, Young-Tae.

Regency F (08:30 - 10:00)

T3P8 - Ports & Terminals II

Moderator: Genevieve Giuliano (Professor, University of Southern California)

1. Decarbonizing cargo handling equipment. **Author(s):** Giuliano, Genevieve.
2. The Impact of Fit for 55 on Ireland's Maritime Transport Sector and the Macroeconomy. **Author(s):** Cassidy, Daniel; Ahearne, Alan.
3. Life Cycle Assessment of Heavy-duty Trucks: An environmental impact study comparing alternative fuels/drivetrains. **Author(s):** Dexter, Susan.
4. The impact of circular economy transition in ports: future challenges and opportunities for employment. **Author(s):** Langenus, Mychel.
5. Revisiting Ship-Recycling in a changing Shipping industry. **Author(s):** Syriopoulos, Theodoros; Merika, Andreas; Merikas, Xakousti Afroditi.

Regency A (10:00 - 12:00)

IAME Annual General Meeting & Closing Ceremony

Speech of Thanks

Genevieve Giuliano

Conference Chair, IAME 2023

& Professor, University of Southern California

IAME President's Closing Address:

Elvira Haezendonck

Professor,

Vrije Universiteit Brussel

Introducing IAME 2024:

Vicente Pallardo,

Director of Valenciaport (Chair for Port Economics)

Handover of the IAME Flag

Both Conference Committees

Boat Tour Logistics Announcement and

Final Farewell from IAME 2023 Conference Committee

Harbor Boat Tour, Long Beach Marina (13:00 - 15:30)